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nbols

wn Important Note

## Safety Instructions

***The following illustrations represent precautions.***

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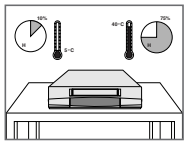
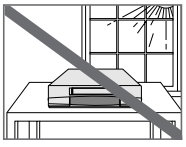
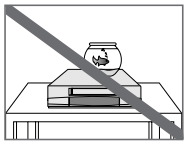
***The lightning bolt is a warning sign alerting you to dangerous voltage inside the product.***
DO NOT OPEN THE DVD-VCR. Refer to service personnel.



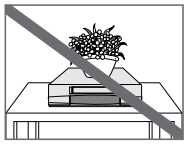
Do NOT expose the DVD-VCR to extreme temperature conditions (below 5°C and above 40°C) or to extreme humidity conditions (less than 10% and more than 75%).



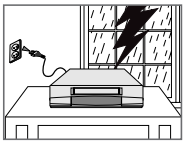
Do NOT expose the DVD-VCR to direct sunlight.



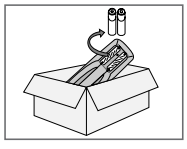
Do NOT expose the DVD-VCR to any liquids.



Do NOT place any objects on the DVD-VCR or remote control.



During a storm and/or lightning, unplug the DVD-VCR from the mains socket and aerial.



If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS



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## cs

*ing types of discs with the corresponding logos :*

| Max. Playing Time | Characteristics |
|---|---|
| Single-sided 240 min. Double-sided 480 min. | • DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu. |
| Single-sided 80 min. Double-sided 160 min. | |
| 74 min. | • Video with CD sound, VHS quality & MPEG-1 compression technology. |
| 20 min. | |
| 74 min. | • An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time. |
| 20 min. | |

player!

DOLBY DIGITAL • Dolby Digital disc

STEREO • Stereo disc

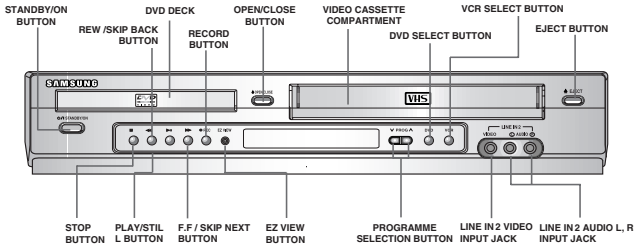
DIGITAL SOUND • Digital Audio disc

dts • DTS disc

ion. These regional codes must match in order for the ot play.

**on the rear panel of the player.**

## Front View of the DVD-VCR

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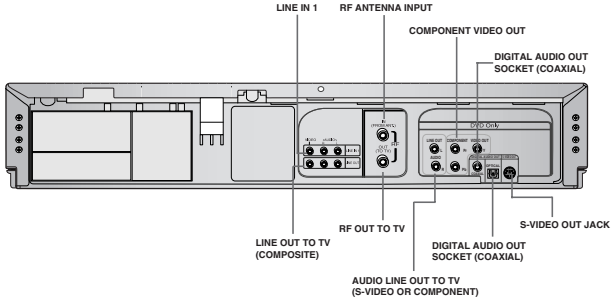
## Rear View of the DVD-VCR


LINE IN 1
RF ANTENNA INPUT
COMPONENT VIDEO OUT
DIGITAL AUDIO OUT SOCKET (COAXIAL)
S-VIDEO OUT JACK
RF OUT TO TV
LINE OUT TO TV (COMPOSITE)
DIGITAL AUDIO OUT SOCKET (COAXIAL)
AUDIO LINE OUT TO TV (S-VIDEO OR COMPONENT)



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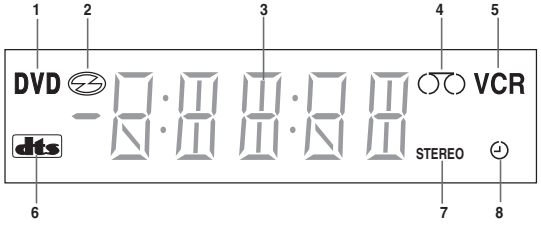
1 STANDBY/ON
2 SHUTTLE << / >>
3 CLEAR
4 DVD
5 TV MUTE. AUDIO
6 VOLUME +/–
7 REWIND
SKIP BACK
8 STOP
9 SUBTITLE
10 MENU
11 UP
12 LEFT
13 DOWN
14 SPEED
15 RECORD
16 TIMER
17 ANGLE
IPC
18 OPEN/CLOSE
19 0-9
20 TV/VCR(Unavailable)
21 VCR, TV SELECT
22 INPUT SEL.
F.ADV/STEP
23 PROG ∧/∨
TRACKING
24 FAST-FORWARD
SKIP NEXT
25 PLAY/STILL
26 INFO.
27 RETURN/ A.DUB
28 RIGHT
29 OK
30 EZ VIEW
31 DISC MENU
32 MARK
SEARCH
33 MODE
REPEAT

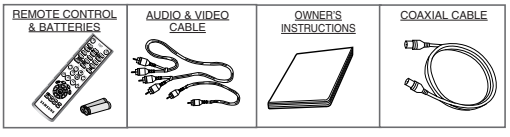
## Display Indicators




1 The DVD Deck is active
2 A DVD, CD, VCD, or SVCD is loaded
3 The time, counter position, time remaining or current deck status is displayed
4 VHS tape is inserted
5 The VCR Deck is active
6 A DVD with a DTS soundtrack is loaded
7 The Hi-Fi track of a VHS tape is playing (The current TV show or video is broadcast in Stereo)
8 A Timer Recording is programmed or in progress.

## Accessories

***You have just purchased a SAMSUNG Video Cassette Recorder (DVD-VCR). Together with your DVD-VCR, you will find the following accessories in the box.***



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## -VCR

*nnecting audio or video systems:*
*stems*
*VD-VCR (satellite receiver for example) or temporarily*

*ectors.*

| irection | Recommended Use |
|---|---|
| In/Out | ◆ Television<br>◆ Other VCR |
| Out | ◆ Audio out (DVD only) |
| In | ◆ Audio in<br>Video in |
| Out | ◆ COMPONENT out (DVD only) |
| Out | ◆ S-Video out (DVD only) |
| Out | ◆ Digital Audio out (DVD only) |
| Out | ◆ Television |
| In | ◆ Aerial<br>◆ Cable television network<br>◆ Satellite receiver |

system to your DVD-VCR, ensure that all elements are

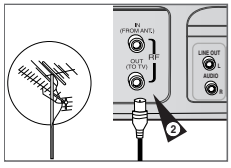
your equipment for detailed connection instructions and

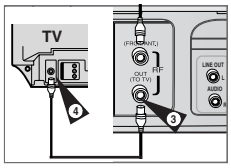
## Connecting DVD-VCR to the TV using the Coaxial Cable

***To receive television programmes a signal must be received from one of the following sources:***

- ***An outdoor aerial***
- ***An indoor aerial***
- ***A cable television network***
- ***A satellite receiver***

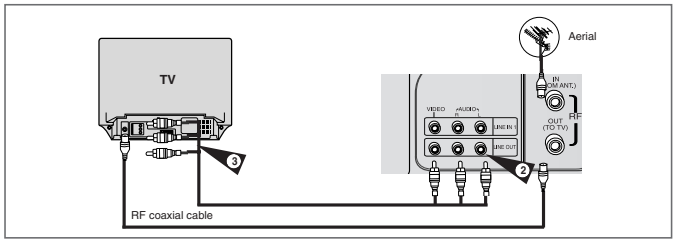
Make sure that both the television and the DVD-VCR are switched off before connecting the cables.




| | |
|---|---|
| 1 | Remove the aerial or network input cable from the television. |
| 2 | Connect this cable to the 75Ω coaxial socket marked ⊐|⊏ on the rear of your DVD-VCR. |
| 3 | Plug the coaxial cable supplied into the TV socket on your DVD-VCR. |
| 4 | Plug the other end of the coaxial cable into the connector previously used for the aerial on the television. |
| 5 | To obtain better quality pictures and sound on your television, you can also connect your DVD-VCR to the television via the RCA cable (see section below) if your television is equipped with this type of connection. |

## Connecting DVD-VCR to the TV using the RCA Cable




***You can connect your DVD-VCR to the television using the RCA cable if the appropriate input is available on the television. You thus:***

- ***Obtain better quality sound and pictures***
- ***Simplify the setting up procedure of your DVD-VCR***

- Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the DVD-VCR is switched off.
- Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

| | |
|---|---|
| 1 | Connect the coaxial cable as indicated in the above section. |
| 2 | Connect one end of the RCA Audio/Video cable to the Video output and Audio L, R output socket on the rear of the DVD-VCR. |
| 3 | Plug the other end into the appropriate connector on the television. |



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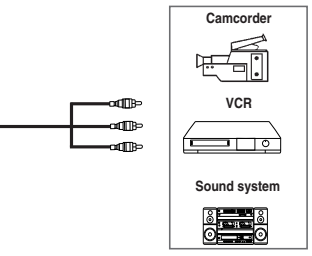
## Receiver or Other Equipment

*ent to your DVD-VCR in different ways. The following possibilities.*

ar of the DVD-VCR are used for equipment, s.

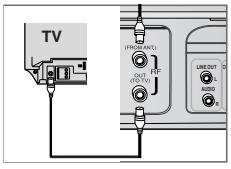


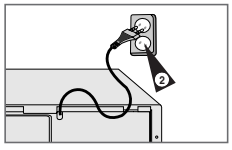

## Plug & Auto Set up

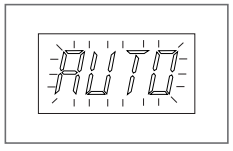
***Your DVD-VCR will automatically set itself up when it is plugged into the mains for the first time. TV stations will be stored in memory. The process takes a few minutes. Your DVD-VCR will then be ready for use.***

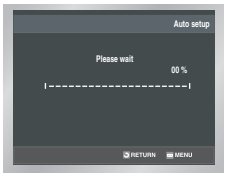
| | |
|---|---|
| **1** | Connect the coaxial cable as indicated on page 11. (Connecting Your DVD-VCR to the TV Using the Coaxial Cable) |
| **2** | Plug the DVD-VCR into the mains.<br>Result: The **`Language Set`** menu is displayed. |
| **3** | Select the required language by pressing the ▲ or ▼ buttons. |
| **4** | Press OK to store the language selected.<br>Result: A message appears. |
| **5** | Press OK button. |
| **6** | Press OK to start the auto scanning.<br>◆ The number of stations automatically stored by the VCR depends on the number of stations that it has found. |

➢ Auto preset can be performed by pressing ■ (STOP) on the VCR continuously for 5 seconds or more with no tape inserted.



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## DVD-VCR

***tune your television for the DVD-VCR only if you are a RCA cable***

To view pictures from your DVD-VCR when a RCA cable is used, the television must be set to the audio/video mode (AV).

vitch on the television.

vitch on the DVD-VCR by pressing STANDBY/ON on the nt of the DVD-VCR or STANDBY/ON on the remote control.

lect a programme position on the television to be reserved use with your DVD-VCR.

sert the video cassette in the DVD-VCR. Check that the 'D-VCR starts reading the cassette; if not, press ►II button.

art a scan on your television or set the television to UHF annel 36.

ne tune the television until the pictures and sound are tained clearly.

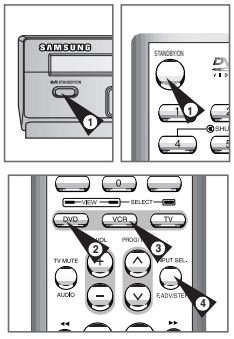
you cannot find the pictures and sound, or there is erference from nearby channels, it may be necessary to ange the setting of the DVD-VCR output channel (see Setting e DVD-VCR Output Channel on page 23 and Problems and lutions on page 64).

hen the picture and sound are perfectly clear, store this annel at the desired programme position on the television.

sult: That programme is now reserved for use with your DVD-VCR.

## Deck Control Keys

***The DVD-VCR uses one set of controls to operate <u>both</u> decks. The following keys are helpful in successfully controlling each deck.***




**1 STANDBY/ON Button**
Press the STANDBY/ON button on the remote control or front panel to turn on the DVD-VCR.

**2 DVD Button**
Press the DVD button on the remote control when you want to control the DVD deck.
- ◆ The DVD indicator will light on the Front Panel Display to show that the DVD deck is selected.

**3 VCR Button**
Press the VCR button on remote control when you want to control the VCR deck.
- ◆ The VCR indicator will light on the Front Panel Display to show that VHS deck is selected.

**4 INPUT SEL. BUTTON**
Press the INPUT SEL. button repeatedly to cycle through all of your input sources, including the Tuner (PR##), Line 1 (rear AV input), and Line 2 (front AV input).
- • Input select is only available when the VCR deck is selected.

**Before using the VCR operation of 19~42 pages, press the VCR button on the remote control to select VCR mode.**

**Before using the DVD operation of 43~62 pages, press the DVD button on the remote control to select and watch DVD.**

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*wing buttons are used when watching television via the r's built-in TV tuner.*

**OG ∧/∨ Button**
ess to change to the next or previous channel.

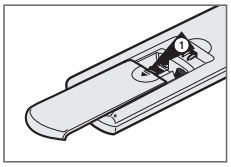
**) Buttons**
ess to select channels directly.

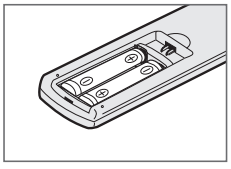
**FO.**
ess to display the channel you are watching.
Also works in DVD and VCR mode.

## Inserting Batteries in the Remote Control

***You must insert or replace the batteries in the remote control when you:***

- ***Purchase the DVD-VCR***
- ***Find that the remote control is no longer working correctly***



**1** Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.

**2** Insert two AAA, RO3 or equivalent batteries, taking care to respect the polarities:
- + on the battery with + on the remote control
- – on the battery with – on the remote control

**3** Replace the cover by aligning it with the base of the remote control and pushing it back into place.

➢ Do not mix different battery types (manganese and alkaline for example).

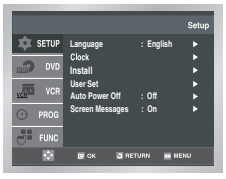
GB

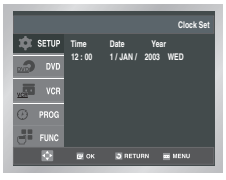
## Setting the Date and Time

***Your DVD-VCR contains a 24-hour clock and calendar used to:***
- ***Automatically stop programme recording***
- ***Preset your DVD-VCR to record a programme automatically***

***You must set the date and time when:***
- ***You purchase the DVD-VCR***

☛ ◆ Do not forget to reset the time when you change clocks from winter to summer time and vice versa.




**1** After pressing the MENU, press the OK or ▶.
Result: The Setup menu is displayed.

**2** Press the corresponding ▲, ▼ buttons to select the `Clock` option.

**3** Press the OK or ▶ to select this option.
Result: The `Clock Set` menu is displayed.

**4** Press ◀ or ▶ to select the hour, minutes, day, month and year.
Result: The option selected highlight.

**5** Press the ▲ or ▼ buttons to increase or decrease the value.
Result: The day of the week is displayed automatically.
➢ You can hold the ▲ or ▼ buttons down to scroll more quickly through the values.

**6** On completion, press RETURN to exit the menu.



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**en "MENU"**
r pressing the MENU, press the OK or ▶.

**ect "Language"**
the ▲ or ▼ buttons to highlight
nguage," then press the OK or ▶.

**t menu Language**
ce the selection arrow next to your desired Language, then
ss the OK button.

ss the ▲ or ▼ buttons to select language you want.
ce the selection arrow next to your desired Language, then
ss the OK button.

completion, press RETURN to exit the menu.

☛ You do not need to preset the stations if you have already set them automatically (see Plug & Auto Set Up on page 14).

***Your DVD-VCR contains a built-in tuner used to receive television broadcasts.***

***You must preset the stations received through the tuner. This can be done:***

- ***Plug & Auto Set up (see page 13)***
- ***Automatically***
- ***Manually (see page 20)***

***You can store up to 80 stations.***

**1** After pressing the MENU, press the OK or ▶.
Result: The Setup menu is displayed.

**2** Press the corresponding ▲,▼ buttons to select the **`Install`** option.

**3** Press the OK or ▶ to select this option.
Result: The **`Install`** menu is displayed.

**4** Press the corresponding ▲ or ▼ buttons, until the **`Auto Setup`** is selected.
And then press the OK or ▶ to select this option.
Result: A message appears, indicating that any channels already preset on your DVD-VCR will be deleted.

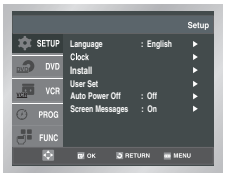
**5** Press OK button.
Result: A message appears, indicating that any channels already preset on your VCR will be deleted.

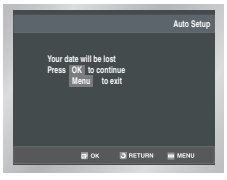
**6** Press OK to start the auto scanning.
Result:
- The **`Please Wait`** indication highlight on the television screen.
- The first frequency band is scanned and the first station found is displayed and stored.
- The DVD-VCR then searches for the second station and so on.
- When the automatic scanning procedure has finished, the DVD-VCR switches automatically to programme 1.

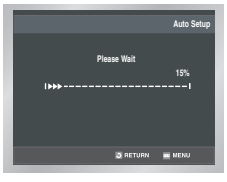
➢ The number of stations automatically stored by the DVD-VCR depends on the number of stations that it has found.

**7** If you wish to cancel the auto scanning before the end, press the MENU button to exit the menu.

➢
- Once the auto scanning procedure has finished, some stations may have been stored more than once; select the stations with the best reception and delete the ones no longer required (see page 21).





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## ns Manually

You do not need to preset the stations manually if you have already set them automatically.

ter pressing the MENU, press the OK or ▶.
esult: The Setup menu is displayed.

ess the corresponding ▲, ▼ buttons to select the **Install** tion.

ess the OK or ▶ to select this option.
esult: The **Install** menu is displayed.

ess the corresponding ▲ or ▼ buttons, until the **Manual etup** option is selected.

ess the OK or ▶ to select a **Manual Setup** option.
esult: The **TV STATION TABLE** menu is displayed.

ess the ▲ or ▼ buttons to select a programme number as quired.

ess the ▶ button to preset the station.
esult: The **MANUAL TUNING** menu is displayed.

ess the ◀ or ▶ buttons to start scanning channel.
esult: The frequency band is scanned and the first station found is displayed.

ess the ▲ or ▼ buttons until the **NAME** is selected.
e station name is set automatically from the broadcast gnal.

change the programme's name, press the ▶ button.
esult: The first letter of the name flashes.

| ... | Then... |
|---|---|
| lect a character the name | Press the ▲ or ▼ button until the required character is displayed (letters, numbers or "-" character). |
| ove to the next or evious character | Press the ▶ or ◀ buttons respectively. |

| you... | Then... |
|---|---|
| ish to store the ation displayed | ◆ Press the ▲ or ▼ buttons until the **MFT** is selected.<br>◆ Press the ◀ or ▶ buttons to adjust the picture, if necessary.<br>◆ Press OK to store the station |
| not wish to splayed | ◆ Press the ▲ or ▼ buttons until the **CH** store the station is selected.<br>◆ Press the ◀ or ▶ buttons to go on display scanning the frequency band and the next station<br>◆ Go back to the beginning of Step **14** |

epeat this procedure from Step **6** onwards, until all the quired stations have been stored.

n completion, press the RETURN button three times to exit e menu.

## Clearing a Preset Station

VCR

GB

***If you have stored a TV station:***

- ***That you do not require***
- ***At the wrong programme position***

***you can cancel it.***

1 After pressing the MENU, press the OK or ▶.
Result: The Setup menu is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **Install** option.

3 Press the OK or ▶ to select this option.
Result: The **Install** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **Manual Setup** option is selected.

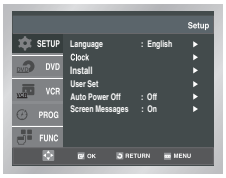
5 Press the OK or ▶ to select a **Manual Setup** option.
Result: The **TV STATION TABLE** menu is displayed.

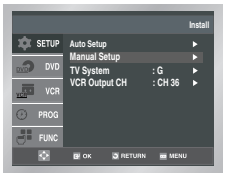
6 Press the corresponding ▲ or ▼ buttons, until the required preset TV station (PR) is selected.

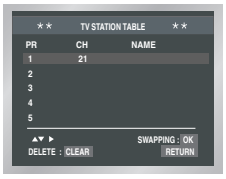
7 Press the CLEAR button.

8 Repeat the same procedure from Step **6** onwards until all the required stations have been cleared.

9 On completion, press the RETURN button four times to exit the menu.



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## Station Table

*earrange the Station Table and give different ne numbers to the stations listed according to your own es.*

ter pressing the MENU, press the OK or ▶.
sult: The Setup menu is displayed.

ess the corresponding ▲, ▼ buttons to select the **Install** tion.

ess the OK or ▶ buttons to select this option.
sult: The **Install** menu is displayed.

ess the corresponding ▲ or ▼ buttons, until the **Manual tup** option is selected.

ess the OK or ▶ button to select this option.
sult: The **TV STATION TABLE** menu is displayed.

ess the corresponding ▲ or ▼ buttons, until the required eset TV programme is selected.
sult: The selected station is displayed at the same time on the television screen.

change the programme number assigned to a station press e OK button on the remote control. (For example, To move a station in programme 1 to programme 3)

ess the ▲ or ▼ buttons to select required position.
d then press OK again to swap the position.

completion, press the RETURN button four times to exit the enu.

## Selecting the RF OUT Sound Mode (B/G-D/K) VCR

***You can choose the sound mode (B/G or D/K) according to the TV set connected to your VCR.***

1 After pressing the MENU, press the OK or ▶.
Result: The Setup menu is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **Install** option.

3 Press the OK button to select this option.
Result: The **Install** menu is displayed.

4 Press the ▲ or ▼ buttons, until the **TV System** option is selected.

5 Press the ◀ or ▶ button to select G or K.

6 On completion, press RETURN to exit the menu.

GB

## Setting the DVD-VCR Output Channel VCR

***Your DVD-VCR output channel may need to be changed if the pictures suffer from interference or if your TV cannot find the pictures.***
***Also, you can change the DVD-VCR output channel to adjust the frequency in which information is displayed on the screen.***

1 After pressing the MENU, press the OK or ▶.
Result: The Setup menu is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **Install** option.

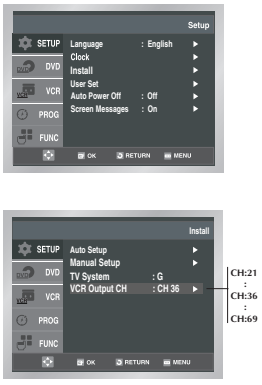
3 Press the OK or ▶ to select this option.
Result: The **Install** menu is displayed.

4 Press the ▲ or ▼ buttons, until the **VCR Output CH** option is selected.

5 Select the required output channel (CH21~CH69) by pressing the OK or ▶ buttons.

CH21 → .. CH36 → .. CH69

6 On completion, press RETURN to exit the menu.
Then tune your television again (see page 14).



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## Mode

***ording or playing back a cassette, you can select the ystem standard.***

/hen you playback an NTSC-recorded tape on this DVD-CR make a setting on the colour system according to our TV. If your TV is a PAL system only TV, set NTPB. your TV is Multi System TV (NTSC 4.43 compatible), set T4.43 and you can record NT4.43.

r pressing the MENU, press the OK or ▶.
ult: The Setup menu is displayed.

s the corresponding ▲, ▼ buttons to select the **User Set** on.

s the OK or ▶ to select this option.
ult: The **User Set** menu is displayed.

s the corresponding ▲ or ▼ buttons, until the **Colour stem** option is selected.

s the Ok or ▶ button to select **Auto** → **PAL**→ **MESECAM** **B/W**.

| | |
|---|---|
| | Black and White |

completion, press RETURN three time to exit the menu.

***rogrammes are divided into 3 types. NICAM Stereo, Mono and Bilingual (transmission in another language). rogrammes are always accompanied by a standard nd broadcast and you can select the desired sound. fer to page 39.***

er pressing the MENU, press the OK or ▶.
sult: The Setup menu is displayed.

ess the corresponding ▲, ▼ buttons to select the **User t** option.

ess the OK or ▶ to select this option.
sult: The **User Set** menu is displayed.

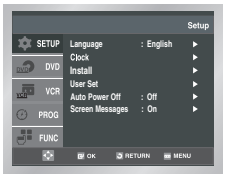
ess the corresponding ▲ or ▼ buttons, until the **NICAM** tion is selected.

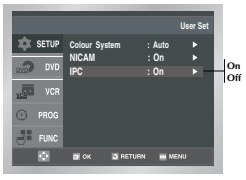
| ... | Press OK or ▶, until... |
|---|---|
| ono mode | **Off** is displayed.<br>Off: Only set at this position to record the standard mono sound during a NICAM broadcast if the stereo sound is distorted due to inferior reception conditions. |
| CAM mode | **On** is displayed.<br>On: Normally set at this position. |

n completion, press RETURN three times to exit the menu.

## Intelligent Picture Control — VCR

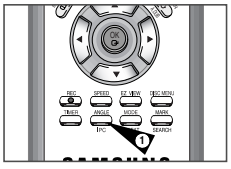
***The Intelligent Picture Control Feature allows you to adjust the sharpness of the image automatically, according to your own preferences.***




1. During playback, press the MENU button on the remote control.
   Result: The Setup menu is displayed.
2. Press the OK or ▶.
   Result: The Setup menu is displayed.
3. Press the corresponding ▲, ▼ buttons to select the **User Set** option.
4. Press the OK or ▶ buttons to select this option.
   Result: The **User Set** menu is displayed.
5. Press the corresponding ▲ or ▼ buttons, until the **IPC** option is selected.
6. Press the Ok or ▶ buttons to select the IPC (intelligent picture control) option.
   ➢ When intelligent picture control mode is **ON**, the sharpness of the image is adjusted automatically.
7. To adjust the sharpness manually, press the ▼ button to turn the IPC mode **OFF**.
8. Press the ◀ or ▶ buttons until the picture is displayed according to your preferences.
   ➢ If you do not press a button within ten seconds, the **PICTURE** menu disappears automatically.
9. On completion, press the RETURN button again.

## Intelligent Picture Control ( Remote Control ) — VCR



1. During playback, press the IPC button.
   Result: The **PICTURE** menu is displayed.
2. Press the ▼ button to turn the IPC (Intelligent Picture Control) option **ON** and **OFF**.
   ➢ When Intelligent Picture Control mode is **ON**, the sharpness of the image is adjusted automatically.
3. To adjust the sharpness manually, select Intelligent Picture Control mode **OFF**.
   ◆ The horizontal picture adjusting appears.
4. Press the ◀ or ▶ buttons until the picture is displayed according to your preferences.
   ➢ If you do not press a button within ten seconds, the **PICTURE** menu disappears automatically.
5. On completion, press the IPC button again.



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*Power Off feature automatically turns off your DVD-*
*signal is received and you do not press any button for*
*ed time.*

er pressing the MENU, press the OK or ▶.
sult: The Setup menu is displayed.

ess the corresponding ▲ or ▼ buttons, until the **Auto**
**wer Off** option is selected.

ess the OK or ▶ buttons, until you select the time of Auto
wer Off interval.

▶ Off → 1Hour → 2Hour → 3Hour ┐

completion, press RETURN twice to exit the menu.

*D-VCR displays most information both on the DVD-VCR*
*elevision.*
*choose to display or hide this information on the*
*screen (except for the SEARCH, Programming MENU*
*functions, which cannot be hidden).*

er pressing the MENU, press the OK or ▶.
sult: The Setup menu is displayed.

ess the corresponding ▲ or ▼ buttons, until the **Screen**
**ssages** option is selected.

| ... | Press OK or ▶, until... |
|---|---|
| splay on-screen information | **On** is displayed. |
| de on-screen information | **Off** is displayed. |

completion, press RETURN twice to exit the menu.

## Selecting the Cassette Type — VCR

***If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.***

1 After pressing the MENU press the corresponding ▲, ▼ buttons to select the **VCR** option.

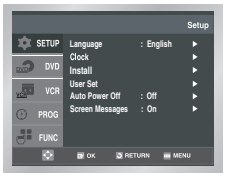
2 Press the OK or ▶ buttons to select this option.
Result: The **VCR Setup** menu is displayed.

3 Press the corresponding ▲ or ▼ buttons, until the **Tape Select** option is selected.

4 Press the OK or ▶ buttons as many times as required, until the correct cassette length is displayed.

▶ E180 → E240 ┐
┘ E 300 ← E260 ◀

5 Press RETURN twice to exit the menu.



## Repeat Play — VCR

***You can set repeat play to repeat the tape continuously from beginning to end.***

1 After pressing the MENU, press the corresponding ▲, ▼ buttons to select the **VCR** option.

2 Press the OK or ▶ buttons to select this option.
Result: The **VCR Setup** menu is displayed.

3 Press the corresponding ▲ or ▼ buttons, until the **Repeat Play** option is selected.

4

| To... | Press OK or ▶, until... |
|---|---|
| Repeat play | **On** is displayed. |
| Do not wish to repeat play | **Off** is displayed. |

5 On completion, press RETURN twice to exit the menu.

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*-VCR allows you to playback high quality S-VHS tapes.*

ing S-VHS play mode after pressing the MENU press the esponding ▲, ▼ buttons to select the **VCR** option.

ss the OK or ▶ button to select this option.
sult: The **VCR Setup** menu is displayed.

ss the corresponding ▲ or ▼ buttons, until the **S-VHS** ion is selected.

| ... | Press OK or ▶, until... |
|---|---|
| VHS play | **On** is displayed. |
| not wish to S-VHS play | **Off** is displayed. |

completion, press RETURN twice to exit the menu.
watch S-VHS tapes, set the S-VHS mode to **On** in the VCR tup.

## ing Speed

*ecord a cassette at two different speeds:*
*SP (Standard Play)*
*LP (Long Play)*
*lay modes:*
*Each cassette lasts twice as long*
*The recording is of a slightly lower quality*

| a cassette... | Press the SPEED button on the remote control, until... |
|---|---|
| l play mode | **SP** is displayed. |
| y mode | **LP** is displayed. |

## Audio Dubbing a Pre-recorded Cassette

VCR

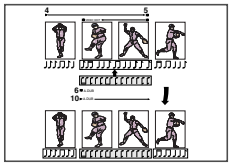
GB

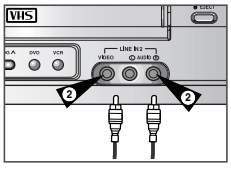
***With the Audio Dubbing function, you erase the previously recorded sound and replace it with a new soundtrack from:***

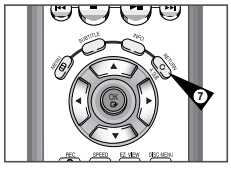
- ***A CD, DVD***
- ***A microphone connected to a sound system***
- ***A cassette player***

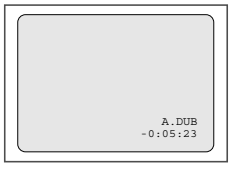
***Restriction:***

***Audio dubbing is applicable only to the longitudinal audio track (normal audio).***






| | |
|---|---|
| **1** | Connect an RCA audio cable to the appropriate output on your sound system (cassette player for example). |
| **2** | Connect the other end of the RCA audio cable to the audio input connectors (L, R) on the Front of your DVD-VCR. |
| **3** | Insert the pre-recorded cassette on which the audio track is to be replaced, and press the ▶II to start playback. |
| **4** | Search for the Audio Dubbing (ending) point using the ▶▶, and set the counter to 0:00:00 by pressing CLOCK/COUNTER and CLEAR. |
| **5** | Search back slightly beyond the Audio Dub start point using the ◀◀ button. |
| **6** | Press the ▶II button.<br>Press the ▶II button one more time to make STILL mode. |
| **7** | Press A.DUB.<br>Result: Your DVD-VCR is now in the Audio dubbing Still mode. |
| **8** | Press the INPUT SEL. button to select Audio dubbing source.<br>ex) If you want to dub external cassette player, then select LINE. |
| **9** | On the sound system, locate the point on the cassette at which you wish to start playback.<br>Example: The track that you wish to record on the cassette. |
| **10** | When you are ready:<br>◆ Start playback on the sound system<br>◆ Press the REC on the remote control.<br>Result: The soundtrack is replaced on the pre-recorded cassette. |
| **11** | The audio dubbing will finish when the counter reaches 0:00:00. |

➢ The new sound will be recorded on the normal sound track of the tape, and the original sound will remain on the Hi-Fi sound track.
To hear the new sound and original sound mixed together, press the Audio button on the remote control until the MIX option is displayed (see page 34).



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## d Cassette

***settes have a safety tab to prevent accidental erasure. s tab has been removed, you cannot record on the tape.***

ou wish to protect a cassette, break off the tab using a small ewdriver.

re-record over a protected cassette (safety tab broken), er the hole with adhesive tape.

## me Immediately

***cording a programme, you must have preset the corres- tation (unless you are recording via an external video f you have not done so, refer to pages 19 and 20.***

itch on the television.

monitor the programme being recorded, select the television annel reserved for use with your DVD-VCR (or the AV input if ed).

ert the cassette on which the programme is to be recorded, h the window visible and the safety tab intact or the opening vered with adhesive tape.

sult: The DVD-VCR is switched on automatically.

ect:
The station to be recorded using the PROG (∧ or ∨) buttons
or
The LINE1, LINE2 source using the INPUT SEL. button for a satellite tuner or external video source

sult: The station number is displayed and the programme can be seen on the television.

lect the recording speed by pressing the SPEED button as ny times as required (see page 29).

ld REC (●) down for a while to start recording.

sult: The record indicator appears on the television and DVD-VCR display. An index is recorded on the tape (see page 37).

stop recording, press ■ once.

- If your DVD-VCR ejects the cassette when you start recording, check to make sure that the cassette's safety tab is intact or that the opening (created by a broken safety tab) is covered with adhesive tape.
- If you reach the end of the tape while recording, the cassette rewinds automatically.

## Recording a Programme with Automatic Stop VCR

***This function enables you to record up to nine hours (LP) of programmes.***

***Your DVD-VCR stops automatically after the requested length of time.***

**1** Switch on the television.

**2** To monitor the programme being recorded, select the television channel reserved for use with your DVD-VCR (or the AV input if used).

**3** Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
Result: The DVD-VCR is switched on automatically.

**4** Select:
- The station to be recorded using the PROG (∧ or ∨) buttons or
- The LINE1, LINE2 source using the INPUT SEL. button for a satellite tuner or external video source

Result: The channel number is displayed and the programme can be seen on the television.

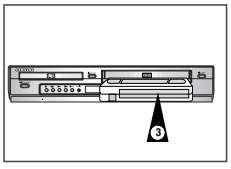
**5** Select the recording speed by pressing the SPEED button as many times as required (see page 29).

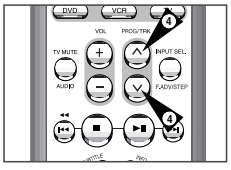
**6** Hold the REC button (●) down for a while to start recording.
Result: The record indicator appears on the television screen and DVD-VCR display. An index is recorded on the tape (see page 37).

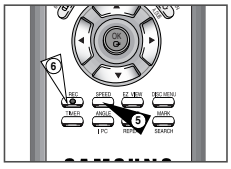
**7** Press the REC button (●) several times to increase the recording time in:
- 30-minute intervals up to four hours
- 1-hour intervals up to nine hours

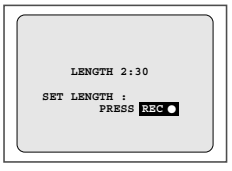
Result: The length is displayed on the television displays. The selected programme is recorded for the length of time requested. At the end of that time, the DVD-VCR stops recording automatically and power off.

**8** If you wish to cancel the recording before the end, press STANDBY/ON.




☛ If the end of the tape is reached while recording:
- The recording stops and power off.

☛ This function is not available in DVD recording



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## gramming Feature

***r Programming feature allows you to preset the DVD-cord a programme up to one month before that ne is to be broadcast. Up to six programmes can be***

Before presetting a recording, check that the date and time are correct.

ert the cassette and press TIMER on the remote control.
sult: The **TIMER PROGRAMMING** menu is displayed.

ss ▶ to select the input source.

ect the required station by pressing the ▲, ▼ buttons or PUT SEL. to select the LINE1, LINE2 input sources.

ss ▶ to select the recording day.

ect the required day by pressing the ▲ or ▼ buttons.

ss ▶ to select the recording start time.

ect the required hour value by pressing the ▲ or ▼ buttons.

ss ▶ to select the minutes.

lect the required minute value by pressing the ▲ or ▼ tons.

ss ▶ to select the recording stop time.

ect the required recording stop time by pressing the ▲ or ▼ tons, following the same procedure as when selecting the cording start time.

ss ▶ to select the recording speed.

ss the ▲ or ▼ buttons to select the **SP** (Standard Play), **LP** ng Play), **Auto** (Auto Tape Speed Select) recording speeds.

nen you have finished, press the RETURN button.

ss the STANDBY/ON button to activate the timer.

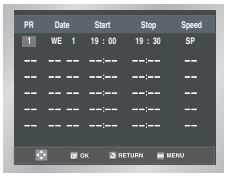
sult: Before starting recording, the DVD-VCR compares the timer duration with the remaining time on the cassette.

Auto Tape Speed Select. The DVD-VCR's "Auto Tape Speed Select" function compares the duration of the timer recording to the actual recording time remaining on the tape loaded. If there is insufficient tape to complete a timer recording in AUTO mode, the DVD-VCR automatically switches to LP mode to record the whole programme.

## Checking a Preset Recording — VCR

***You can check your preset recordings:***

- ***When you have finished presetting the DVD-VCR***
- ***If you have forgotten which programmes will be recorded***



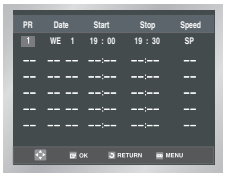

GB

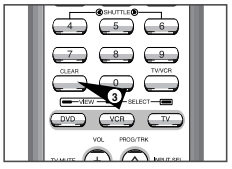
1. Press TIMER on the remote control.
   Result: The **TIMER PROGRAMMING** menu is displayed.
2. Press the ▲ or ▼ buttons to select the required programme.
3. Press the ◀ or ▶ buttons to select and change any values as required. For more details, refer to the previous page.
4. On completion, press RETURN twice.

## Cancelling a Preset Recording — VCR

***You can cancel any programmes that are:***

- ***Incorrect***
- ***No longer required***




1. Press TIMER on the remote control.
   Result: The **TIMER PROGRAMMING** menu is displayed.
2. Select the programme to be cancelled by pressing the ▲ or ▼ buttons.
3. Press the CLEAR button to cancel the selected programme.
   Result: All the recording information is deleted and the broadcast will not be recorded.
4. On completion, press RETURN twice.



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*ion allows you to play back any pre-recorded cassette.*

itch on both the television and your DVD-VCR.

ert the video cassette to be played. If the safety tab on the ssette is intact, press ▶II.
herwise, the cassette is played automatically.

When a cassette is loaded, the tape position is optimized automatically to reduce disturbance (Digital Auto Tracking).
When playing a cassette, if the end of the tape is reached, the cassette is rewound automatically.

| ... | Then press... |
|---|---|
| op the playback | ■ (STOP). |
| ct the cassette | ⏏ (EJECT). |

## gnment Manually

*e Adjustment feature allows you to adjust the manually to obtain the best possible picture.*

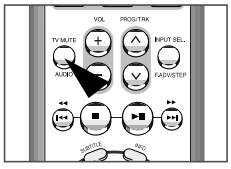
e bars or streaks appear during playback, adjust alignment y pressing the TRK (∧ or ∨) buttons until the picture is clear

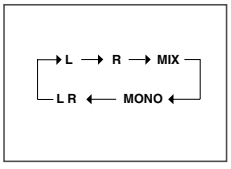
- The tracking bar appears.
- The image is adjusted.
- The tracking bar disappears when you release the button.

## Selecting the Audio Output Mode VCR

***You can select the mode in which the sound is reproduced on the loudspeakers and AV outputs. The following options are available.***

| Option | Description |
|---|---|
| L | Used to listen to the sound on the left Hi-Fi channel. |
| R | Used to listen to the sound on the right Hi-Fi channel. |
| MIX | Used to listen to the mixed sound of the Hi-Fi and normal channels. |
| MONO | Used to listen to the sound on the normal mono channel. |
| L R | Used to listen to Hi-Fi stereo sound on the left and right channels.<br>➢ When playing back tapes recorded in Hi-Fi, the sound switches to Hi-Fi after five seconds of Mono. |




To select the sound mode, simply press the AUDIO button on the remote control until the required option is displayed.

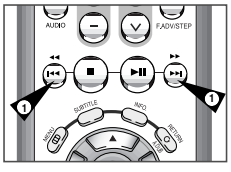
## Playing a Cassette in Slow Motion VCR

***You can play a cassette in slow motion.***

➢ No sound is heard when playing back a cassette in slow motion.

**1** Press:
- ▶II to start playing the cassette
- ▶II button one more time to make still mode.
- ▶▶ to start SLOW mode.
- ▶▶ or ◀◀ button as many times as required to decrease or increase the speed respectively
- To return to the normal speed, press the ▶II button twice.

**2** When playing back in slow motion, picture interference may occur.
Press the TRK (∧ or ∨) buttons to minimize this effect.



☛ When you have been using the Slow Motion function for more than about two minutes, the DVD-VCR will automatically play to protect the:
- Cassette
- Video heads



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## Frame by Frame

***Stop the cassette at a given frame (image)***
***Advance one frame at a time***

No sound is heard when playing back frame by frame.

ess:
►II to start playing the cassette
►II button one more time to make still mode.
F.ADV/STEP ( ) to advance frame by frame

return to normal playback, press ►II.

Vertical stability: When playing back frame by frame, interference may be seen on the screen. Press the TRK ( , ) buttons to minimize this effect.

## t Variable Speeds

***ary the playback speed using the Shuttle function (up to s the normal speed).***
***You wish to analyze a sportsperson's technique, movement by movement.***
***le function is available on the Remote control***

No sound is heard when playing a sequence at variable speeds.

ess:
►II during playback
SHUTTLE (<<) to play the cassette backwards
SHUTTLE (>>) to play the cassette forwards

ch time you press a SHUTTLE button, the speed is changed shown in the following illustration.

| VERSE LAY X9 | REVERSE PLAY X5 | REVERSE PLAY X3 | STILL | SLOW MOTION X1/10 | SLOW MOTION X1/5 | PLAY | PLAY X3 | PLAY X5 | PLAY X9 |
|---|---|---|---|---|---|---|---|---|---|

## Searching for a Specific Sequence

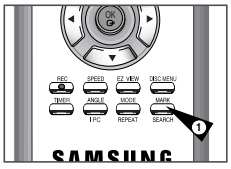
VCR

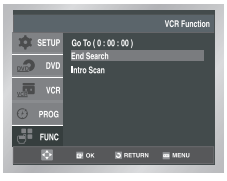
GB

***Each time you record a cassette on this DVD-VCR, an "index" is automatically marked on the tape when recording starts.***

***The Search function allows you to fast-forward or rewind to a specific index and start playback from that point. Depending on the direction selected, the indexes are numbered as follows:***

| etc. | Prev Seq. | Seq. being played | Next Seq. | etc. |
|---|---|---|---|---|
| 2 | 1 | | 1 | 2 |






➢ This DVD-VCR uses a standard indexing system (VISS). As a result, it will recognize any indexes marked by other VCRs using the same system and vice versa.

### *Go To 0:00:00 Stop*

***Use this feature when you want to search for the 0:00:00 counter position on a cassette. Press the CLEAR button at the point on the tape where you want to set the counter to 0:00:00.***
***The VCR will rewind or fast forward, searching for the 0:00:00 counter position, and then automatically stop at that position.***

1. After pressing the SEARCH, press the corresponding ▲ or ▼ buttons, until the **Go To (0:00:00)** option is selected.
2. Press the OK or ►.

### *End Search*

***Use this feature when you want to search for a blank position to record a program on a cassette.***
***The VCR will fast forward, searching for a blank position, and then automatically stop at that position.If the VCR reaches the end of the tape during end search, the tape will be ejected.***

1. After pressing the SEARCH, press the corresponding ▲ or ▼ buttons, until the **End Search** option is selected.
2. Press the OK or ►.



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11:43 AM Page 38

## ific Sequence

### an

er pressing the SEARCH, press the corresponding ▲ or ▼ tons, until the **Intro Scan** option is selected.

ss the OK or ▶.

ss the ◀◀ or ▶▶ buttons depending on the direction ere your desired programme is located.

en an Index mark is found the DVD-VCR will playback the e for 5 seconds, after which it will continue searching for the t Index mark.

ou want to watch the tape from a particular Index, simply ss ▶II.

### ip Search:

***re will enable you to fast forward/rewind to a specific tape: E.g. if you have recorded 3 different es on a tape and you have rewound the tape to the . by using this feature you can go directly to the start of e 2 simply by pressing the SEARCH button.***

er pressing the SEARCH, press the corresponding ▲ or ▼ tons, until the **Intro Scan** option is selected.

ss the OK or ▶.

ss the ◀◀ or ▶▶ buttons twice more. This will take directly to the start of the desired programme is located.

ese Index searches can be made forwards: (press ▶▶) or ckwards: (press ◀◀). (◀◀ -20 • • 0 • • +20 ▶▶)

cancel an Index search simply press the ▶II or ■ button.

## Using the Tape Counter

**VCR**

GB

***The tape counter:***

- ***Indicates the elapsed time in the play and record modes (hours, minutes and seconds)***
- ***Is reset when a cassette is inserted in the DVD-VCR***
- ***Allows you to find the beginning of a sequence easily***

If the remaining time is to be calculated correctly, you must indicate the type of cassette being used.

**1** Insert a cassette in your DVD-VCR.

**2** To set the tape counter to zero at the beginning of a sequence:
- Press INFO. twice to display the counter
- Press CLEAR when you want to set the tape counter to zero

**3** When you are ready,
- Start playback or Recording.
- Press the ■ button.
- To fast-froward or rewind to the sequence at which the counter was set to zero, press ◀◀ or ▶▶.

Some DVD-VCR information, such as the counter, can be displayed on the television screen (unless you have deactivated the Screen messages mode; refer to page 27).

Press INFO.:
- Once to display the current function, programme number, recording speed, date, time and counter
- Twice to display the counter only
- Three times to display the time remaining on the cassette
- Four times to clear the display



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## udio/Video Input Cable

*onnect other audio/video equipment to your DVD-VCR io/video cables if the appropriate outputs are available uipment chosen.*

- ***You wish to copy a video cassette with the help of a second VCR .***
- ***You wish to play back and/or copy pictures taken with a camcorder .***

- Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

nnect one end of the RCA audio/video cable into the VIDEO PUT socket on the front of the DVD-VCR.

g the other end of the audio/video cable into the appropriate tput connector on the other system (VCR or camcorder).

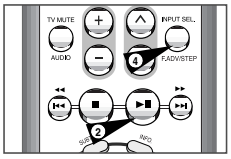
nnect one end of the RCA audio cable supplied into the DIO INPUT sockets on the front of the DVD-VCR.

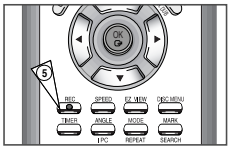
Take care to respect the colour coding of the left and right channels.

g the other end of the audio cable into the appropriate output nnectors on the other system (VCR, camcorder or Hi-Fi und system).

## Using the Assemble Edit Function — VCR

***This function allows you to start a new recording at a specific position on the cassette while maintaining a very smooth scene change.***



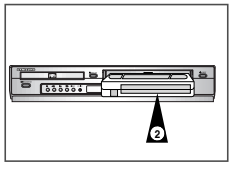



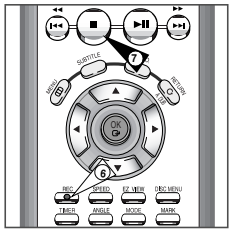

| | |
|---|---|
| **1** | Insert the cassette to be edited in your DVD-VCR. |
| **2** | Press the ▶II button to start playback. |
| **3** | When you reach the position from which you wish to start the new recording, press the ▶II button. |
| **4** | Press the F.ADV/STEP ( ) button again as often as necessary to advance frame by frame, until the exact recording position is located. |
| **5** | While the DVD-VCR is in still mode, hold the REC button (●) down for a while to activate the Assemble Edit function. |
| **6** | Select the source from which you wish to record by pressing:<br>◆ The PROG (∧ or ∨) buttons for television channels<br>◆ The INPUT SEL. button for the LINE input sources |
| **7** | Press the ▶II button to start recording. |
| **8** | When you have finished recording, press ■. |

## Recoding from Another VCR or Camcorder — VCR

***You can copy a cassette to your DVD-VCR from another video source, such as another VCR or a camcorder.***

It is an infringement of copyright laws to copy prerecorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.




| | |
|---|---|
| **1** | Connect the DVD-VCR, from which the cassette is to be copied, to the appropriate RCA audio and video input connectors on the rear of your DVD-VCR, as indicated on page 11. |
| **2** | Insert a blank cassette in your DVD-VCR. |
| **3** | Insert the pre-recorded cassette in the other video source (VCR or camcorder). |
| **4** | Press the INPUT SEL. button to select the appropriate input on your DVD-VCR: LINE IN for the RCA input. |
| **5** | Start playing back the cassette to be copied. |
| **6** | Hold REC (●) down for a while to start recording on your DVD-VCR. |
| **7** | When you have finished recording, press ■ on both VCR and DVD-VCR. |

If you wish to view the cassette being copied:

- Your DVD-VCR must be connected as usual to the television (see page 11 for further details)

GB



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## on the Remote Control

***D-VCR remote control will work with Samsung s and compatible brands.***

hine whether your television is compatible, follow the s below.

itch your television on.

nt the remote control towards the television.

ld down the TV button and enter the two-figure code responding to the brand of your television, by pressing the propriate numeric buttons.

| and | Codes | Brand | Codes |
|---|---|---|---|
| MSUNG | 01 to 06 | PHILIPS | 02, 20, 22 |
| AI | 09, 23 | SABA | 13, 14, 22 to 24 |
| UNDIG | 09, 17, 21 | SONY | 15, 16 |
| EWE | 02 | THOMSON | 13, 14, 24 |
| NASONIC | 08, 23 to 27 | TOSHIBA | 07, 16 to 19, 21 |

sult: If your television is compatible with the remote control, it will switch off. It is now programmed to operate with the remote control.

If several codes are indicated for your television brand, try each one in turn until you find one that works.

When you change the batteries in the remote control, you must reprogramme the code, following the same procedure.

en control the television using the following buttons.

| | Function |
|---|---|
| /ON ① | Used to switch the television and DVD-VCR on and off. |
| ② | Used to switch between the TV and VCR modes. |
| L ③ | Used to select an external source. |
| – ④ | Used to adjust the volume of the television. |
| K ⑤ | Used to select the required programme. |
| ⑥ | Used to mute the volume of the television. |

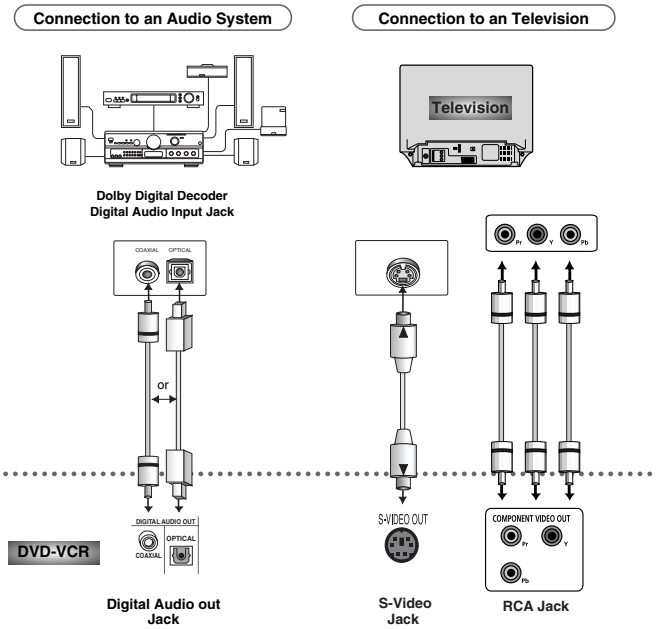
The various functions will not necessarily work on all televisions. If you encounter problems, operate the television directly.

## Choosing a Connection

DVD

***The following show examples of connections commonly used to connect the DVD -VCR player with a TV and other components. It is only available for DVD. The VCR out can not watch by this connection.***

GB



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## age Features

he player menu, disc menu, audio and subtitle language
e, they will come up automatically every time you watch

### g the Disc Menu Language

ction changes the text language only on the disc
reens.

| | |
|---|---|
| | n the unit in Stop mode, press the MENU button. |
| | ect **DVD** using ▲,▼ buttons, then OK or ▶ button |
| | ect **Language Setup** using ▲,▼ buttons, then press the or ▶ button. |
| | ect **Disc Menu** using ▲,▼ buttons, then press the OK or ▶ on. |
| | the ▲,▼ buttons to select '**English**'. lect "Others" if the language you want is not listed. |
| | ss the OK button. glish is selected and the screen returns to DVD menu. |

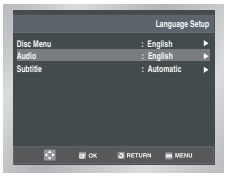
## Setting Up the Language Features

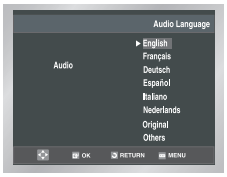
DVD

GB

### Using the Audio Language

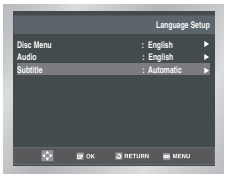
| | |
|---|---|
| 1 | With the unit in Stop mode, press the MENU button. |
| 2 | Select **DVD** using ▲,▼ buttons, then OK or ▶ button. |
| 3 | Select **Language Setup** using ▲,▼ buttons, then press the OK or ▶ button. |
| 4 | Select **Audio** using ▲,▼ buttons, then press the OK or ▶ button. |
| 5 | Press the ▲,▼ buttons to select '**English**' .<br>- Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.<br>- Select "Others" if the language you want is not listed. |
| 6 | Press the OK button.<br>- English is selected and the screen returns to **DVD** menu. |

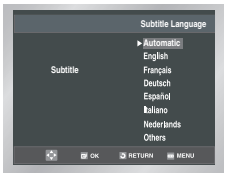



### Using the Subtitle Language

| | |
|---|---|
| 1 | With the unit in Stop mode, press the MENU button. |
| 2 | Select **DVD** using ▲,▼ buttons, then OK or ▶ button. |
| 3 | Select **Language Setup** using ▲,▼ buttons, then press the OK or ▶ button. |
| 4 | Select **Subtitle** using ▲,▼ buttons, then press the OK or ▶ button. |
| 5 | Use the ▲,▼ buttons to select '**English**'.<br>- Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.<br>- Select "Others" if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting. |
| 6 | Press the OK button.<br>- English is selected and the screen returns to **DVD** menu. |



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## Options

the unit in Stop mode, press the MENU button.

ect **DVD** using ▲, ▼ buttons, then OK or ▶ button.

ect **Audio Setup** using ▲, ▼ buttons, then press the OK or utton.

e the ▲, ▼ buttons to select the desired item. Then press the or ▶ button.

**lby Digital Out**

**. PCM:**
Converts to PCM(2CH) audio.
elect PCM when using the Analog Audio Outputs.

**. Bitstream :**
Converts to Dolby Digital Bitstream (5.1CH).
elect Bitstream when using the Digital Audio Output.

*sure to select the correct Digital Output or no audio will be ard.*

**EG-2 Digital Out**

**. PCM :** Converts to PCM(2CH) audio.
Select PCM when using the Analog Audio Outputs.

**. Bitstream :** Converts to MPEG-2 Digital Bitstream (5.1CH or .1CH).Select Bitstream when using the Digital Audio Output.

**S**

**. Off :** Doesn't output digital signal.
**. On :** Outputs DTS Bitstream via digital output only. Select DTS when connecting to a DTS Decoder.

**namic Compression**

**. On :** To select dynamic compression.
**. Off :** To select the standard range.

**M Down Sampling**

**. On :** Select this when the amplifier connected to the player is not 96KHz compatible.
In this case, the 96KHz signals will be down converted to 48KHZ.

**. Off :** Select this when the amplifier connected to the player is 96KHz compatible.
In this case, all signals will be output without any changes.

***ear or return to menu screen during set up;***

***y Laboratories.***
***trademarks of Dolby Laboratories.***
***emarks of Digital Theater Systems, Inc.***

## Setting Up the Display Options

**DVD**

GB

1 With the unit in Stop mode, press the MENU button.

2 Select **DVD** using ▲, ▼ buttons, then OK or ▶ button.

3 Select **Display Setup** using ▲, ▼ buttons, then press the OK or ▶ button.

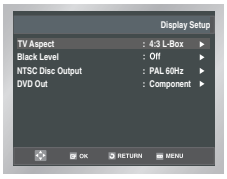
4 Use the ▲, ▼ buttons to select the desired item. Then press the OK or ▶ button.

- **TV Aspect**
  Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

  **1. 4:3 Letter Box :**
  Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

  **2. 4:3 Pan Scan :**
  Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)

  **3. 16:9 Wide :**
  You can view the full 16:9 picture on your widescreen TV.




- **Black Level**
  Adjusts the brightness of the screen.(On/Off)

- **NTSC Disc Output**
  "NTSC" if the screen only has one NTSC-video entrance. If this is not the case, you can choose to leave " PAL 60Hz" as is.

- **DVD Output**
  **Component :** Sends COMPONENT signal (Y, Pb, Pr) to the component video out JACK.

  **S-Video :** Sends S-VIDEO signal to the S-VIDEO OUT JACK.

  **Video :** Sends COMPOSITE VIDEO signal to the Scart JACK.



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## tal Control

*tal Control function works in conjunction with DVDs been assigned a rating - which helps you control the VDs that your family watches.*
*up to 8 rating levels on a disc.*

n the unit in Stop mode, press the MENU button.

lect **DVD** using ▲, ▼ buttons, then OK or ▶ button.

lect **Parental Setup** using ▲, ▼ buttons, then press the OK ▶ button.

e OK or ▶ to select **Yes** if you want to use a password. e **Enter Password** screen appears.

ter your password. The **Re-Enter Password** screen appears confirm the password.
your password again. The Parental Control screen appears.

**About the Rating Level** ;
The Rating Level will work only when **Use Password** is set to Yes. To unlock the player, use ▲, ▼ to select No. Use OK or ▶ to select **Rating Level**. Press OK.
Use ▲, ▼ to select the level(e.g. Level 6) and press OK.
Discs that contain Level 7 will now not play.
To cancel the rating level, use OK or ▶ to select No in Use Password.

**About the Change Password** ;
Use ▲, ▼ to select Change Password.
Press OK. The Change Password screen appears.
Ok your new password. Re-ok the new password again.

- *How to make the SETUP menu disappear or return to menu screen during set up; Press RETURN or ◀ button.*
- *If you have forgotten your password, see Forget Password in the Troubleshooting Guide.*

## A/V Receiver Connections

DVD

GB

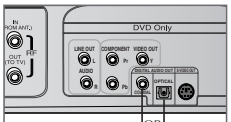
***To take full advantage of the movie theater experience that DVD offers, you may want to connect your DVD-VCR to a complete Surround Sound system, including an A/V Receiver and six Surround Sound speakers.***

***Before You Begin...***

- ***If your A/V receiver is equipped with a Dolby Digital Decoder, you have the option to bypass the DVD-VCR's built-in Dolby Digital Decoder. Use the DIGITAL AUDIO OUT connection below.***

**1 Digital Audio Out**
Connect EITHER an optical cable OR a digital coaxial cable from the DIGITAL AUDIO OUT jacks on the back panel of the DVD-VCR to their corresponding Digital Audio Input jacks on your A/V Receiver:

- Optical
- Coaxial
- Use whichever connection is available on your A/V Receiver.



To Digital Audio Input of an A/V Receiver with a Dolby Digital Decoder



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## tures

*VD/CD playback you can select from the following ayback options. To resume normal playback, press the /Still) button.*

**l**

ss the ►II (Play/Still) button on the remote control during yback.

ne picture will still and the audio will mute.
o resume playback, press the ►II (Play/Still) button.
the player is left in Still mode for 5 minutes, it will stop utomatically.

**me Advance (Step)**

le in playback mode, press the F.ADV/STEP button on the ote control to advance one frame at a time.

udio is muted during Frame Advance mode.
ress ►II (Play/Still) to resume normal playback.
TE: Frame Advance operates only in the forward direction.

**p Forward/Back**

le a CD or DVD disc is in Play mode, press the Skip ward/Back (►►I / I◄◄) buttons on the remote control or front el to jump forward and backward through disc pters/tracks.

kip Forward will jump to the next chapter/track.
kip Back will jump to the beginning of the current apter/track.
ress Skip Back again to jump to the beginning of the previous apter/track.

**arch Forward/Back**

le a disc is in Play mode, press and hold the Forward/Back / ◄◄) buttons on the remote control or front panel to visually rch forward/backward at 2X - 4X - 8X - 16X - 32X - 128X ed. Press ►II (Play/Still) button to resume normal speed.

**w Motion**

ing playback, press the ►II (Play/Still) button to Still the ge. Then use the Search Forward (►► ) to play in slow motion ariable speeds.

ach press increases the slow motion speed playback to 1/8, 4 or 1/2 normal speed.
udio is muted during slow motion playback.

**p/Resume**

ress the Stop button once to stop playback. To resume the VD/CD from the point where the disc stopped, press the ►II Play/Still) button.
ress the ■ (Stop) button twice to completely stop playback. he next time you press ►II (Play/Still), the disc will start over om the beginning.

## Adjusting the Aspect Ratio (EZ View) DVD

### To play back using aspect ratio (DVD)

GB

1 Press the EZ VIEW button.
- The screen size changes when the button is pressed repeatedly.
- The screen zoom mode operates differently depending on the screen setting in the initial DVD menu.
- To ensure correct operation of the EZ VIEW button, you should set the correct aspect ratio in the initial setup (See page 47).

### If you are using a 16:9 TV

**For 16:9 aspect ratio discs**

- **Wide Screen**
  Displays the content of the DVD title in 16:9 aspect ratio.
- **Screen Fit**
  The top and bottom of the screen are cut off. When playing a 2.35:1 aspect ratio disc, the black bars at the top and bottom of the screen will disappear. The picture will look vertically stretched. (Depending on the type of disc, the black bars may not disappear completely.)
- **Zoom Fit**
  The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

**For 4:3 aspect ratio discs**

- **Normal Wide**
  Displays the content of the DVD title in 16:9 aspect ratio. The picture will look horizontally stretched.
- **Screen Fit**
  The top and bottom of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **Zoom Fit**
  The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.
- **Vertical Fit**
  When a 4:3 DVD is viewed on a 16:9 TV, black bars will appear at the left and right of the screen in order to prevent the picture from looking horizontally stretched.



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## Ratio (EZ View)

ratio.
the screen.

ays the central portion of the 16:9 screen.

e full screen appears. The picture will look vertically stretched.

s will appear at the left and right of the screen in order to
ed.

atio.

e full screen appears. The picture would look vertically

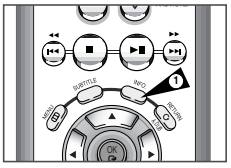
off and the central portion of the screen is enlarged.

*ding on the type of disc.*



GB

### When Playing a DVD/VCD/CD



| | |
|---|---|
| 1 | During play, press the INFO. button on the remote. |
| 2 | Use the ▲,▼ buttons to select the desired item. |
| 3 | Use the ◀, ▶ buttons to make the desired setup.<br>• You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from the desired time. |
| 4 | To make the screen disappear, press the INFO. button again. |

- *What is a Chapter?*
  *Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).*

- *What is a Title?*
  *A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.*

**TITLE** To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified.

**CHAPTER** Most of DVD discs are recorded in chapters so that you can quickly find a specific passage.

**TIME** Allows playback of the film from a desired time. You must ok the starting time as a reference.

**AUDIO** Refers to the language of the film soundtrack. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks.

**SUBTITLE** Refers to the subtitle languages available in the disc. You will be able to choose the subtitles language or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles.

**3D SOUND** A surround sound effect is generated using only two front speakers.

* When in VCD 2.0 mode (MENU ON mode), this function does not work.



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## a Angle

### ng the ANGLE button

*VD contains multiple angles of a particular scene, you t the Angle function.*

**ANGLE button to see if an ANGLE ark is present at the upper Right hand corner of the**

en an ANGLE mark is shown, press the ANGLE button, then ANGLE select icon will appear at the upper left hand corner he screen.

e the ◄, ► buttons to select the desired screen angle.

turn off the display, press the ANGLE button again.

## e Language

*elect a desired subtitle quickly and easily with the utton.*

### the SUBTITLE button

ss the SUBTITLE button.

e the ◄, ► buttons to select the desired subtitle language.

e the ▲, ▼ buttons to determine whether or not the subtitle be displayed.

itially, the subtitling will not appear on screen.
he subtitle languages are represented by abbreviations.

- *This function depends on what languages are encoded on the disc and may not work with all DVDs.*
- *A DVD disc can contain up to 32 subtitle languages.*
- *How to have the same subtitle language come up whenever you play a DVD; Refer to "Setting Up the Language Features" on page 45.*

## Repeat Play — DVD

*Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.*

### When playing a DVD

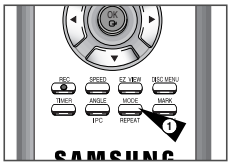
**1** Press the REPEAT button on the remote.
Repeat screen appears.

**2** Select Chapter, Title or A-B using the ◄, ► buttons.
- Press the REPEAT button. Select A-B on screen with the ◄, ► buttons.
- Press OK at the point where you want the repeat play to start (A). The B is automatically highlighted.
- Press OK at the point where you want the repeat play to stop (B).
- To terminate the function, press the 'CLEAR' button.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

**3** Press OK.

**4** To return to normal play, press REPEAT again, then press the ◄, ► buttons to select Off and press OK.
- It is available to press CLEAR button on the remote controller in order to stop REPEAT play.

➢
- *DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.*
- *Depending on the disc, the Repeat function may not work.*
- *When in VCD 2.0 mode (MENU ON mode), this function does not work.*




DVD

VCD / CD

GB



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## anguage

***elect a desired language quickly and easily with the utton.***

### ng the AUDIO button

ess the AUDIO button.

e the ◄, ► buttons to select the desired language on a DVD.
ne audio languages are represented by abbreviations.

e the ◄, ► buttons to select Stereo, ◄ or ► (On VCD/CD)

*is function depends on what languages are encoded on the c and may not work with all DVDs.*

*DVD disc can contain up to 8 audio languages.*

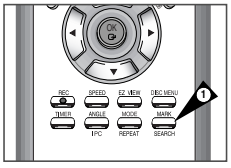
***w to have the same audio language come up whenever you y a DVD ;*** *Refer to "Setting Up the Language Features" on ge 45.*

## Using the Mark Function

DVD

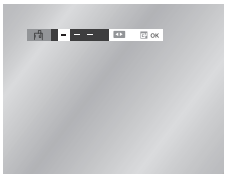
GB

This feature lets you mark sections of a DVD or VCD (MENU OFF mode) so you can quickly find them at a later time.



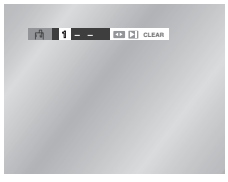

### Using the Mark Function (DVD/VCD)

1. During play, press the MARK button on the remote. The Mark icons will be displayed.
2. Use the ◄, ► buttons to move to the desired Mark icon.
3. When you reach the scene you want to mark, press the OK button. The icon will change to a number (1, 2, or 3).
4. Press the MARK button to turn off the display.




### Recalling a Marked Scene

1. During play, press the MARK button on the remote.
2. Use the ◄, ► buttons to select a marked scene.
3. Press the PLAY/STILL (►II ) buttons to skip to the marked scene.




### Clearing a Mark

1. During play, press the MARK button on the remote.
2. Use the ◄, ► buttons to select the mark number you want to delete.
3. Press the CLEAR button to delete a mark number.
   Press the MARK button to turn off the display.

- ***Up to three scenes may be marked at a time.***
- When in VCD 2.0 mode (MENU ON mode), this function does not work.
- ***Depending on the disc, the mark function may not work.***



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MP3/WMA Disc is inserted into the DVD player, the first
f the first folder plays.

than two file extensions are present, select the media of
oice.
nge the currently playing media, press the STOP ( ■ )
wice and then press the DISC MENU button.
tton on the remote controller is pressed for 60 seconds, the
ill disappear and the selected item will be played.

### MP3/WMA Play Function

hen the first song file is playing, the music folder menu will
pear on the right side of the screen.
to 8 music folders can be displayed at a time. If you have
re than 8 folders on a disc, press the ◄, ► buttons to bring
m up on the screen.

e the ▲, ▼ buttons to select the desired music folder, then
ss OK.
e the ▲, ▼ buttons again to select a song file. Press OK to
gin playback of the song file.

### ogram/Random playback

Press the MODE button in STOP mode to switch between
he RANDOM and PROGRAM modes.

- Press the REPEAT button in Play mode to hear only music continuously and press it once again to release.
- PROGRAM/RANDOM playback cannot be used if the disc contains more than two types of file extensions.

## MP3/WMA Play

### CD-R MP3/WMA discs

GB

**When playing CD-R/MP3 or WMA discs, please follow all the recommendations for CD-R above, plus the comments below:**

- **Your MP3 or WMA files should be ISO 9660 or JOLIET format.**
  ISO 9660 format and Joliet MP3 or WMA files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.
- **When naming your MP3 or WMA files do not exceed 8 characters, and place ".mp3, .wma" as the file extension.**
  General name format of: Title.mp3. or Title.wma. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (../,\,=,+).
- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
  Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality.
  Conversely, files with decompression rates below 128 Kbps will not be played properly.
- **Use a decompression transfer rate of at least 64Kbps when recording WMA files.**
  Sound quality with WMA files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to WMA format, of at least 64Kbps and up to 192Kbps.
  Conversely, files with decompression rates below 64Kbps or over 192Kbps will not be played properly.
- **Do not try recording copyright protected MP3 files.**
  Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You cannot copy such files.
- **Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality.
  You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).
- This unit can play a maximum of 500 files and 300 folders per disc.



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## Program Play (CD/MP3/WMA)

ss the MODE button.

the ◄, ► buttons to select PROGRAM. Press the OK button.

the ▲, ▼ / ◄, ► buttons to select the first track to add to the ram.

ss the OK button. The selection numbers appear in the ram Order box.

ss the PLAY/STILL ( ►II ) button.
disc will be played in programmed order.

## Random Play (CD/MP3/WMA)

ss the MODE button.

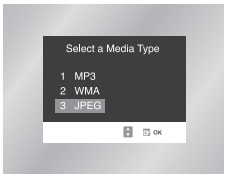
the ◄, ► buttons to select RANDOM. Press the OK button.
disc will be played in random order.

- ***Depending on the disc, the Program and Random Play functions may not work.***
- ***To resume normal play, press the CLEAR button.***
- ***PROGRAM/RANDOM playback cannot be used if the disc contains more than two types of file extensions.***
- ***This unit can support a maximum of 99 programmed order.***

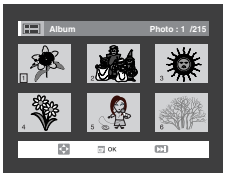
## Picture CD Playback

GB

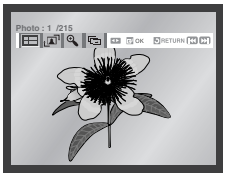
- Select JPEG in the menu to view a Photo CD.
- To change the currently playing media, press the STOP ( ■ ) button twice and then press the DISC MENU button.
- If no button on the remote controller is pressed for 60 seconds, the menu will disappear and the selected item will be played.




1. Open the disc tray.
2. Load the disc on the tray.
   Load the disc with the labeled side up.
3. Close the tray.
   - The tray closes and you should get a screen that looks like the one below.

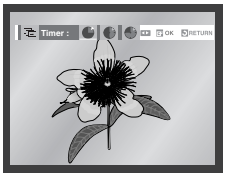



- Use the ▲, ▼ or ◄, ► buttons on the remote controller to select the picture you want to view and then press the OK button. (Press the PLAY/STILL (►II) button if you want to play it in the Slide Show mode.)
- To see the next 6 pictures, press the ▶▶I button.
- To see the previous 6 pictures, press the I◀◀ button.




- : Return to the Album Screen.
- : Each time the OK button is pressed, the picture rotates 90 degrees clockwise.
- : Each time the OK button is pressed, the picture is enlarged up to 2X. (Normal → 2X → Normal)
- : The unit enters slide show mode.

*Press the RETURN button to return to the album screen.
*Before the Slide Show can begin, the picture interval must be set.




- : When this icon is selected and OK is pressed, the pictures change automatically with about an 6 second interval.
- : The pictures change automatically with about an 12 second interval.
- : The pictures change automatically with about an 18 second interval.

*Depending on the file size, each interval between images may take longer or shorter than the manual suggests.

- When the banner is being appeared, press the RETURN button to return to the album screen.
- If no buttons on the remote controller pressed for 10 seconds, the menu will disappear. Press the ▲, ▼ or ◄ , ► buttons on the remote controller to display the menu again.



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played.

ng and not all of the recorded files may be played.

format can be played.

haracters and should contain no blank spaces or special

played. If there is a blank segment in the multisession disc,

CD.

s in the pictures folder can be played.

onger to start playing or may not play at all.

G file can be played.

files in 300 folders can be played.

## Technical Specifications

GB

| | | |
|---|---|---|
| **General** | Rated voltage | AC 110 - 240V~, 50/60Hz |
| | Power consumption | 23 Watts |
| | Weight | 3.9 Kg |
| | Size | 430mm X 282mm X 84mm |
| | Operating ambient temperature | +5°C ~ +35°C |
| | Installation conditions | Operation position : Horizontal,<br>Relative humidity : Below 75% |
| **Input** | Video input (Rear) | RCA jack : 1.0Vp-p (unbalanced) 75Ω |
| | Audio input (Rear) | RCA jack : -8dBm, 47Kohm unbalanced |
| **Output** | RF out | UHF 21-69 (Initial CH36) |
| | Audio (DVD, VCR) | RCA jack |
| | Audio (DVD only) | Digital audio out (OPTICAL, COAXIAL) |
| | Video (DVD, VCR) | RCA jack |
| | Video (DVD only) | S-Video out<br>COMPONENT out : RCA jack |
| **VCR** | Tape format | VHS type video tape,<br>S-VHS type video tape (Playback only) |
| | Color system | PAL, MESECAM, NT3.58, NTSC4.43, NTSC playback on PAL TV |
| | Tuning system | B/G, D/K |
| | Video S/N | Above 43dB (standard recording) |
| | Resolution | Above 240 lines (standard recording) |
| | Audio S/N | Above 68dB (Hi-Fi), 39dB (Mono) |
| | Audio frequency characteristics | 20Hz - 20KHz (Hi-Fi) |
| **DVD** | Disc | DVD, CD (12cm), CD (8cm), VIDEO-CD (12cm) |
| | Audio S/N | 95dB |
| | Audio dynamic range | 105dB |



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## Troubleshooting Guide (DVD)

*erform the following simple checks.*

| Explanation/Solution |
|---|
| ck that the power plug is connected to a wall outlet.<br>e you pressed the STANDBY/ON button? |
| deo cassette can only be inserted with the window<br>up and the safety tab facing you. |
| ck the DVD-VCR aerial connections.<br>e DVD-VCR tuner properly set?<br>ck if the safety tab is intact on the cassette. |
| the STANDBY/ON button pressed to activate the timer?<br>heck the recording start/stop time settings.<br>ere was a power failure or interruption during timer<br>rding, the recording will have been cancelled. |
| ck to see if you are using a prerecorded tape. |
| ck the TUNER/EXTERNAL setting. It should be on<br>ER.<br>ck the TV/VCR aerial connections. |
| s the TRK ( ∧or ∨ ) buttons to minimize this effect. |
| l picture may have “noise bars”, depending on the<br>ition of the tape. Press the TRK ( ∧or ∨ ) buttons<br>g SLOW motion to minimize this effect. |
| or pictures appear on a variety of cassettes, the video<br>ds may need cleaning. This is not a common problem<br>unless it appears, the heads should not be cleaned.<br>n cleaning the video heads, read all instructions<br>ded with the head cleaning cassette. Incorrect head<br>ning can permanently damage the video heads. |
| ove the aerial input plug from the socket marked (aerial<br>ol) on the rear of the DVD-VCR.<br>y out the instructions “Tuning Your Television for the DVD-<br>” (see page 14).<br>y out the instructions “Setting the DVD-VCR output<br>nnel” (see page 23), move the channel number<br>ral channels down from the original setting.<br>mple: from 35 to 36).<br>ace the aerial plug into the socket marked (aerial symbol)<br>e rear of the DVD-VCR.<br>une your TV to the DVD-VCR again by following<br>uctions “Tuning Your Television for the DVD-VCR”<br>e 14).<br>e problem still exists repeat steps 1 to 5 moving several<br>e channels away from the original setting. |

***the above instructions, note:***

***of your DVD-VCR***

***rvice.***

***Before requesting service (troubleshooting)***

GB

| Problem | Action | Page |
|---|---|---|
| Disc does not play. | ◆ Ensure that the disc is installed with the label side facing up.<br>◆ Check the region number of the DVD.<br>◆ This player cannot play CD-ROMs, DVD-ROMs, etc. Insert a DVD, a VIDEO-CD or a CD. | P5 |
| 5.1 channel sound is not being reproduced. | ◆ 5.1 channel sound is reproduced only when the following conditions are met. :<br>1) The DVD-VCR player is connected with the proper amplifier<br>2) The disc is recorded with 5.1 channel sound.<br>◆ Check whether the disc being played has the “Dolby 5.1 ch” mark on the outside.<br>◆ Check if your audio system is connected and working properly. | P43<br>P46 |
| The ⊘ icon appears on screen. | ◆ The features or action cannot be completed at this time because:<br>1. The DVD’s software restricts it.<br>2. The DVD’s software doesn’t support the feature (e.g., angles).<br>3. The feature is not available at the moment.<br>4. You’ve requested a title or chapter number or search time that is out of range. | P44-61 |
| Playback mode differs from the Setup Menu selection. | ◆ Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function. | P44-48 |
| The screen ratio cannot be changed. | ◆ The Screen Ratio is fixed on your DVDs. | P47 |
| No audio. | ◆ Make sure you have selected the correct Digital Output in the Audio Options Menu. | P46 |
| Forgot password | ◆ Press power on from a cold start with no disc in the unit. Press the ▶▶ and ◀◀ buttons simultaneously on the front panel for five seconds. Switch off and on the DVD-VCR by pressing STANDBY/ON button. The Parental Mode is now unlocked as indicated on the display. You can now set your rating level and change your password to a new number. | |
| If you experience other problems. | ◆ Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again.<br>◆ If the problem still cannot be solved, please contact your nearest authorized service center. | |



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